

# Shipwreck Mapping

## Pre-Activity

## Captain's Notes



### Overview

*This exercise is meant to serve as a pre-activity for the Shipwreck Mapping Activity. In this activity, students will prepare themselves for the tasks of the Shipwreck Mapping Activity by practicing on a smaller scale version of a drawn shipwreck. Students will need to practice recording important observations, noticing key features of a shipwreck, and taking accurate right angle measurements in order to successfully create a scaled drawing of a shipwreck.*

### Difficulty/Grade Level

*Easy/Grades 4-12 (the activity can be modified for a particular age group)*

### Suggested Group Size

*This activity can be done individually or in pairs*

### Time

*30 Minutes*

### Objectives

*Understand the basic principles underlying shipwreck mapping techniques in order to prepare for the Shipwreck Mapping Activity.*

### Skills and Strategies

- Using right angle measurements along a baseline to determine precise locations of points along a shipwreck
- Using mathematical and graphing skills to recreate a scaled drawing of a shipwreck
- Time management

### Materials

- Ruler (1 per student)
- Log Sheet (1 per student)
- Shipwreck Layout Diagram
- Great Lakes Schooner Site Plan
- Sanctuary Vocabulary
- Shipwreck Layout Graph Paper
- Site Plan vs. Photo Mosaic sheet
- Shipwreck Layout Diagram Answer Key

### Procedures

1. Give students approximately 10 minutes to measure the points on their Shipwreck Layout Diagram and fill in the details of their Log Sheet.
2. Take the Shipwreck Layout Diagrams away from the students, leaving them with only their Log Sheets and their Shipwreck Layout Graph Paper.
3. Give students another 20 minutes to recreate a scaled drawing of the shipwreck.

